

0047

CO-OP MINING COMPANY

P.O. Box 1245
Huntington, Utah 84528



(801) 748-5238
Coal Sales (801) 748-5777

September 17, 1985

RECEIVED

SEP 20 1985

DIVISION OF OIL
GAS & MINING

Dave Ariotti
State of Utah
Dept. of Health
P.O. Box 800
Price, Utah 84501

RE: Co-Op Culinary Water System

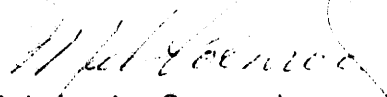
Dear Dave:

Please find attached the balance of the information you requested relative to Co-Op Mine's Bear Canyon Water System.

Also, due to a recent flash flood, a portion of the 2" line from the fan portal to the crusher building was destroyed. The line has since been replaced with a surface insulated line. Unfortunately, it is physically impossible due to terrain to bury this new line.

I hope this meets with your approval. If I can be of any assistance, please call.

Sincerely,


Melvin A. Coonrod
Permitting & Compliance

MC/njc

cc Tom Munson, DOGM

Date: 8/15/85

BOOKCLIFFS COMMERCIAL LABORATORIES
WATER ANALYSIS REPORT

Client: Co-Op Mining Company
Address: P.O. Box 1245
Huntington, Utah 84528
Attn: Ms. Beth Owens

Sample Date: 7/29/85
Date Received: 7/31/85

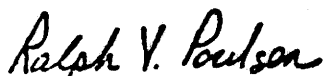
Your P.O. No: 1268

Sample I.D. Culinary Water

Lab No. 85-5183-W

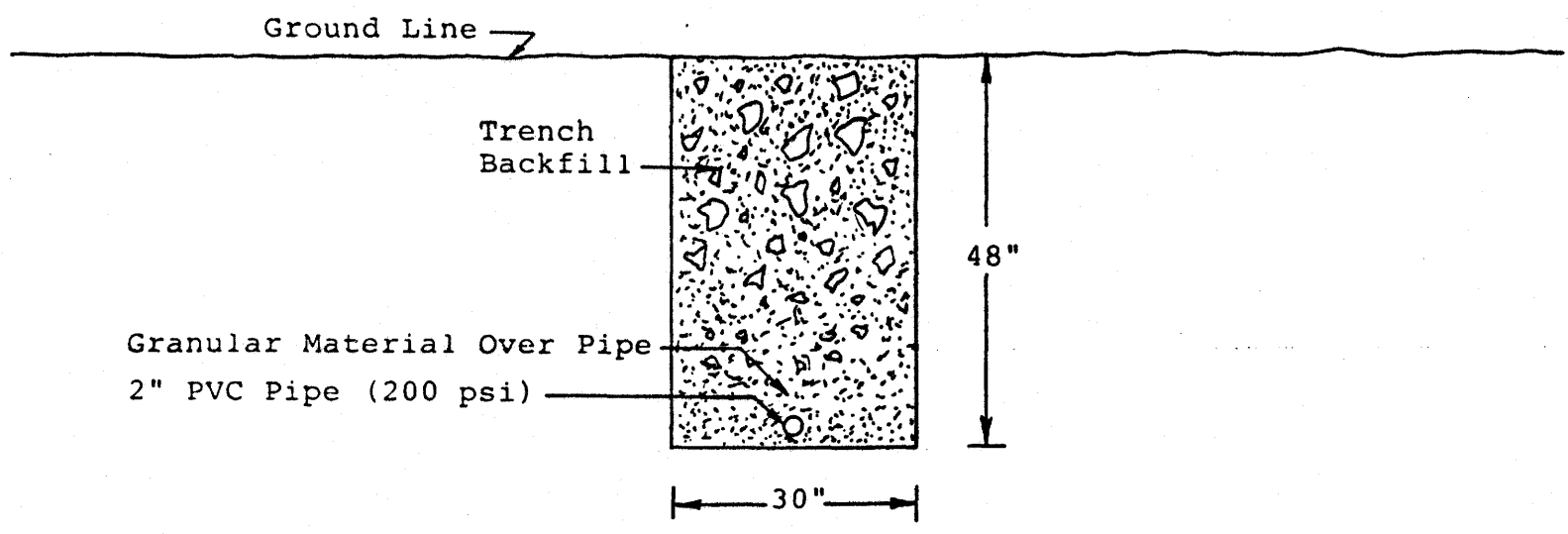
<u>Parameter</u>	<u>Concentration mg/l</u>	<u>Parameter</u>	<u>Concentration mg/l</u>
Alkalinity (as CaCO_3)	185	Manganese	-0.01
Arsenic	-0.001	Mercury, Total	-0.0002
Barium	0.05	Nickel	-0.02
Bicarbonate (as CaCO_3)	179	Nitrogen, Ammonia	0.05
Boron	0.05	Nitrogen, NO_3/NO_2	-0.02
Cadmium	-0.005	pH (units)	8.4
Calcium	39	Phosphorus, Ortho	-0.02
Carbonate (as CaCO_3)	6	Potassium	8
Chloride	12	Selenium	-0.002
Chromium	-0.01	Silica	10.5
Chromium, Hexavalent	-0.01	Silver	-0.005
Copper	-0.02	Sodium	16
Hardness (as CaCO_3)	225	Solids, Dissolved	270
Hydroxide (as CaCO_3)	0	Sulfate	51
Iron	0.04	Surfactants	-0.02
Lead	-0.02	Turbidity	5.8
Magnesium	31	Zinc	0.117
		CO_2 , Free	3.5
		CO_2 , Total	86

NOTE: Metals are Total Recoverable unless noted.

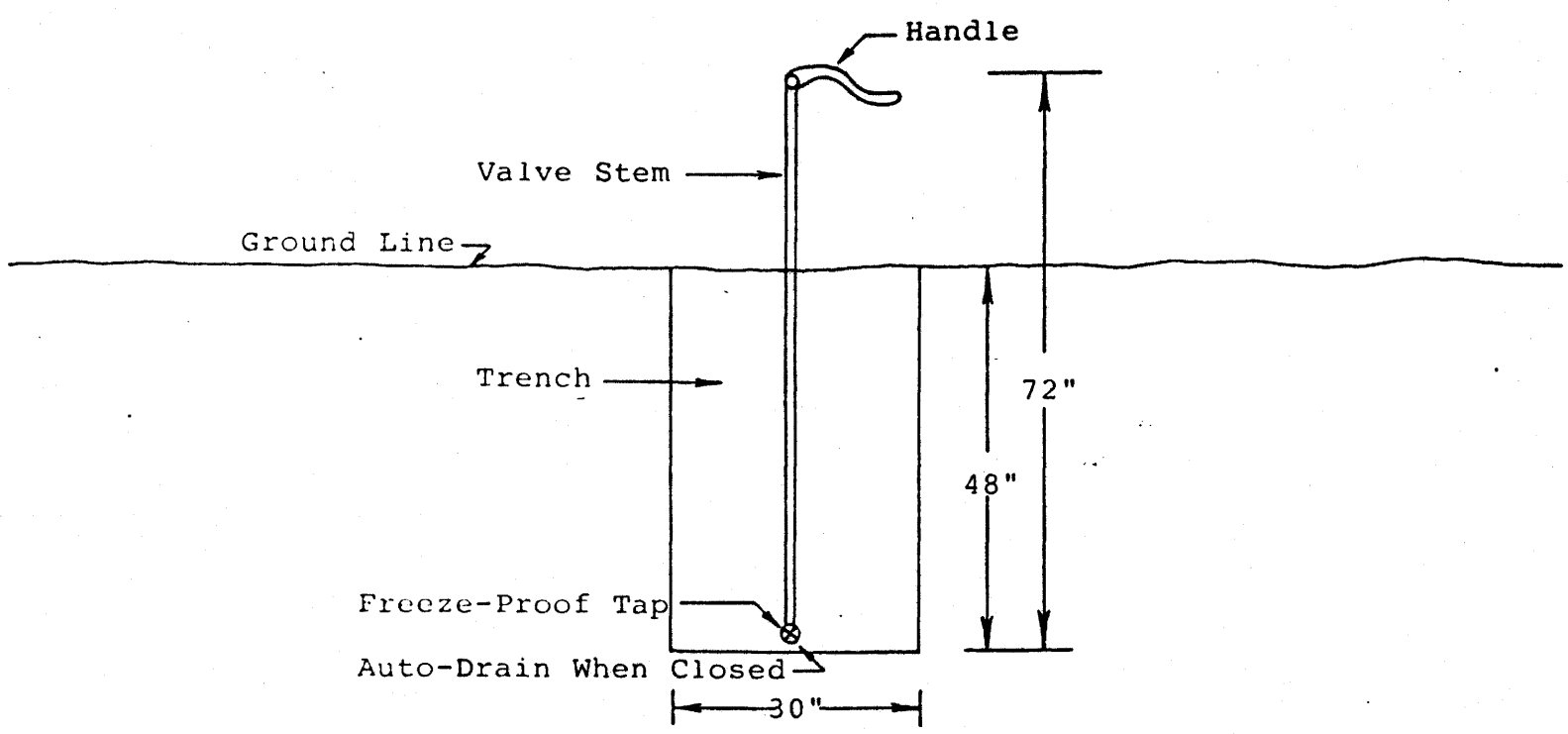


Ralph V. Poulsen, Director

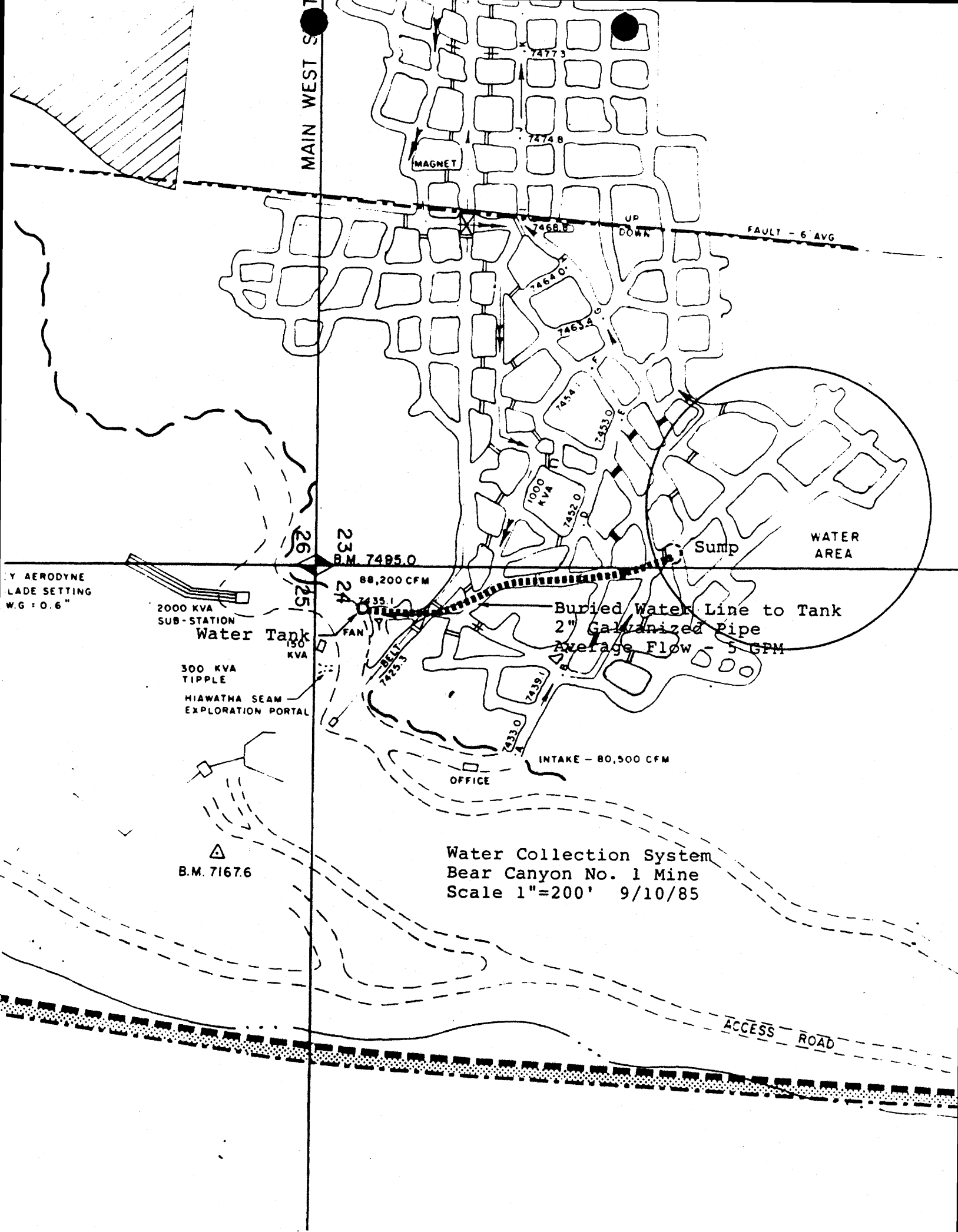
Scale 1" = 2'



End View
of
Trench and Pipe



Freeze-Proof Valve

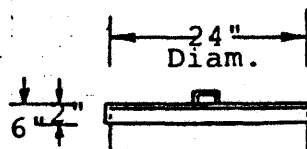


BY D. Guy DATE 9/10/85

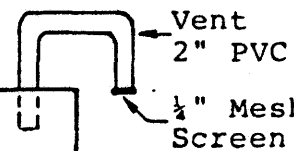
SUBJECT Water Tank Access
and Vent Details

SHEET NO. OF.....
JOB NO.

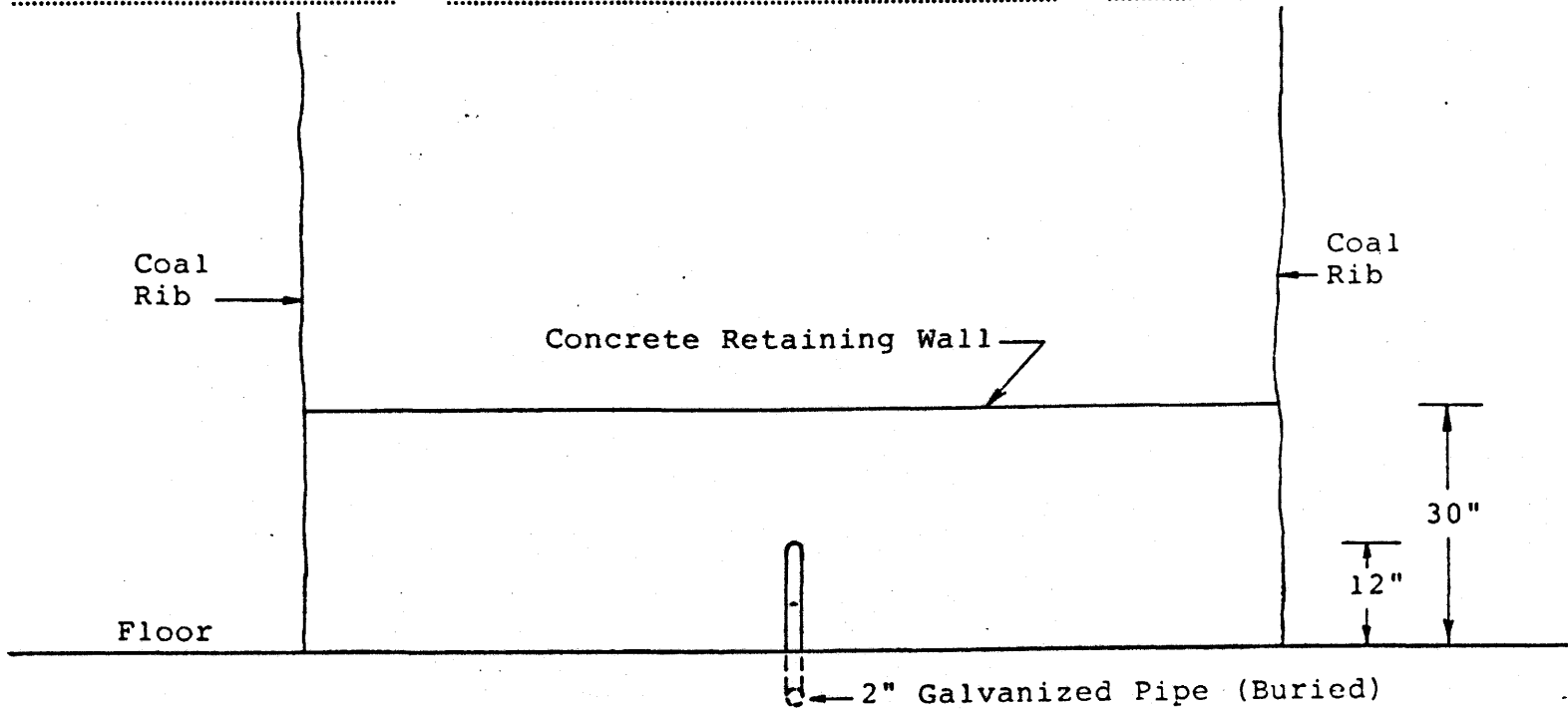
Scale 1" = 2'



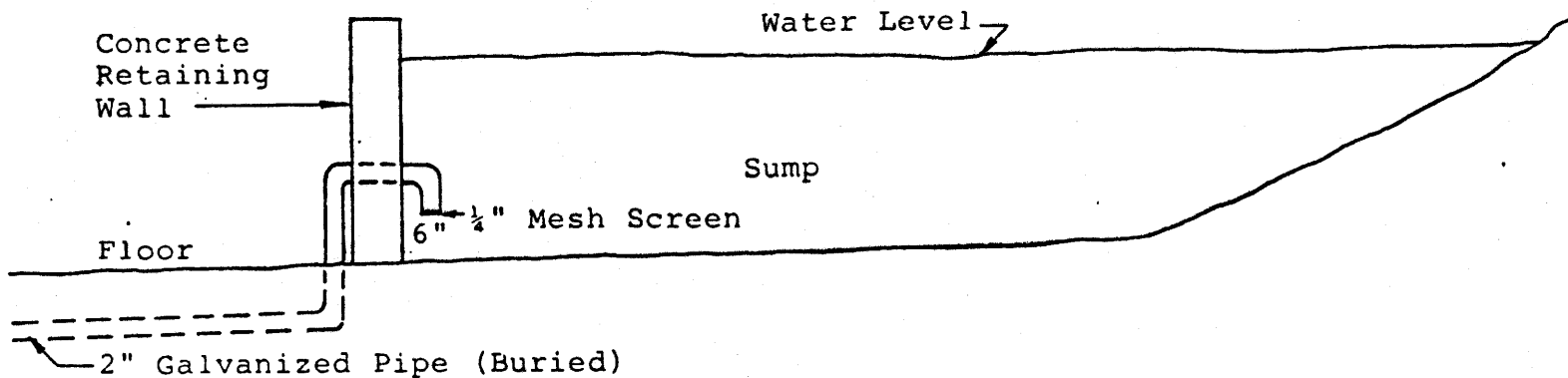
Man Access
and Cover
1/4" Plate



10,000 Gallon
Water Tank



End View
 Scale 1" = 2'



Side View
 Scale 1" = 2'